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JC850 U.S. PTO
06/19/01

JC997 U.S. PTO
09/09/883183
06/19/01

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*LIMITED TO MATTERS
AND PROCEEDINGS BEFORE
FEDERAL COURTS & AGENCIES
**REGISTERED PATENT AGENT
***SENIOR COUNSEL

June 19, 2001

WRITER'S DIRECT NUMBER:
(202) 371-2560
INTERNET ADDRESS:
resmond@skgf.com

Commissioner for Patents
Washington, D.C. 20231

Box Patent Application

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)
Appl. No. (to be assigned); filed (herewith)
For: **Methods for Preventing Inhibition of Nucleic Acid Synthesis by
Pyrophosphate**
Inventor: Robert W. Blakesley
Our Ref: 0942.4150002/RWE

Sir:

The following documents are forwarded herewith for appropriate action by the U.S.
Patent and Trademark Office:

1. Fee Transmittal (Form PTO/SB/17) (in duplicate);
2. Utility Patent Application Transmittal (Form PTO/SB/05);
3. U.S. Utility Patent Application entitled:

Methods for Preventing Inhibition of Nucleic Acid Synthesis by
Pyrophosphate

Commissioner for Patents
June 19, 2001
Page 2

and naming as inventor:

Robert W. Blakesley

the application consisting of:

- a. A specification containing:
 - i. 30 pages of description prior to the claims;
 - ii. 8 pages of claims (claims 1-51); and
 - iii. 1 page abstract;
 - b. Three (3) sheets of informal drawings (Figures 1-3);
 - c. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 08/971,675; and
 - d. an Application Data Sheet (37 C.F.R. § 1.76);
4. Three (3) sheets of Formal Drawings (Figures 1-3) on photographic paper;
 5. Preliminary Amendment;
 6. Authorization To Treat A Reply As Incorporating An Extension Of Time Under 37 C.F.R. § 1.136(a)(3) (in duplicate);
 7. Two (2) return postcards; and
 8. Our check No. 31652 for \$710.00 to cover the basic filing fee (37 C.F.R. § 1.16(a)).

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or

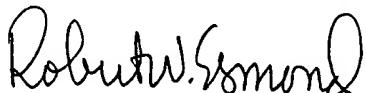
STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Commissioner for Patents
June 19, 2001
Page 3

credit any overpayment, to our Deposit Account No. 19-0036. A duplicate copy of this letter is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicant
Registration No. 32,893

RWE/dab
P:\USERS\DENISEB\0942\4152appcov
Enclosures

Please type a sign (+) inside the circle

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.	0942.4150002/RWE
First Inventor	Robert W. Blakesley
Title	Methods for Preventing Inhibition of Nucleic Acid Synthesis by Pyrophosphate
Express Mail Label No.	

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 39]
(preferred arrangement set forth below)
 Descriptive title of the Invention
 Cross Reference to Related Applications
 Statement Regarding Fed Sponsored R & D
 Reference to sequence listing, a table, or a computer program listing appendix
 Background of the Invention
 Brief Summary of the Invention
 Brief Description of the Drawings (*if filed*)
 Detailed Description
 Claim(s)
 Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. **Oath or Declaration** [Total Pages 2]
a. Newly executed (original or copy)
b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76.

7. CD-ROM or CD-R in duplicate, large table or Computer Program
(Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
- a. Computer Readable Form (CRF)
b. Specification Sequence Listing on:
i. CD-ROM or CD-R (2 copies); or
ii. paper
- c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))
10. 37 CFR 3.73(b) Statement Power of Attorney
(when there is an assignee)
11. English Translation Document *(if applicable)*
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment
14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: Authorization under 37 C.F.R. § 1.136(a)(3)
 Other: The name of the assignee is: Invitrogen Corporation

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-Part (CIP)
Prior application information: Examiner Houtteman, S.

of prior application No: 08/971,675Group/Art Unit: 1656

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS Customer Number or Bar Code LabelCustomer No. 26111or Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. ATTORNEYS AT LAW		
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

NAME (Print/Type)	Robert W. Esmond	Registration No. (Attorney/Agent)	32,893
SIGNATURE	<u>Robert W. Esmond</u>		
Date	06/19/2001		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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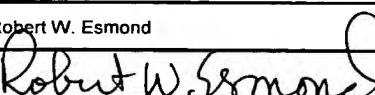
FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT	(\$710.00)	C mplete if Known
		Application Number <input type="text" value="to be assigned"/>
		Filing Date <input type="text" value="herewith"/>
		First Named Inventor <input type="text" value="Robert W. Blakesley"/>
		Examiner Name <input type="text" value="to be assigned"/>
		Group Art Unit <input type="text" value="to be assigned"/>
		Attorney Docket No. <input type="text" value="0942.4150002/RWE"/>

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																							
1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to: Deposit Account Number <input type="text" value="19-0036"/> Deposit Account Name <input type="text" value="Sterne, Kessler, Goldstein & Fox P.L.L.C."/>		3. ADDITIONAL FEES Large Entity Small Entity																																							
<input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status See 37 CFR 1.27		Fee Code 105 130 205 65 Surcharge - late filing fee or oath 127 50 227 25 Surcharge - late provisional filing fee or cover sheet 139 130 139 130 Non-English specification 147 2,520 147 2,520 For filing a request for ex parte reexamination 112 920* 112 920* Requesting publication of SIR prior to Examiner action 113 1,840* 113 1,840* Requesting publication of SIR after Examiner action 115 110 215 55 Extension for reply within first month 116 390 216 195 Extension for reply within second month 117 890 217 445 Extension for reply within third month 118 1,390 218 695 Extension for reply within fourth month 128 1,890 228 945 Extension for reply within fifth month 119 310 219 155 Notice of Appeal 120 310 220 155 Filing a brief in support of an appeal 121 270 221 135 Request for oral hearing 138 1,510 138 1,510 Petition to institute a public use proceeding 140 110 240 55 Petition to revive - unavoidable 141 1,240 241 620 Petition to revive - unintentional 142 1,240 242 620 Utility issue fee (or reissue) 143 440 243 220 Design issue fee 144 600 244 300 Plant issue fee 122 130 122 130 Petitions to the Commissioner 123 130 123 130 Petitions related to provisional applications 126 180 126 180 Submission of Information Disclosure Stmt 581 40 481 40 Recording each patent assignment per property (times number of properties) 146 710 246 355 Filing a submission after final rejection (37 CFR 1.129(a)) 149 710 249 355 For each additional invention to be examined (37 CFR 1.129(b)) 179 710 279 355 Request for Continued Examination (RCE) 169 900 169 900 Request for expedited examination of a design application																																							
2. Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input checked="" type="checkbox"/> Other* *Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.																																									
FEE CALCULATION																																									
1. BASIC FILING FEE <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Large Entity Fee Code (\$)</th> <th style="width: 10%;">Small Entity Fee Code (\$)</th> <th style="width: 10%;">Fee Description</th> <th style="width: 10%;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>101</td> <td>201</td> <td>355</td> <td>Utility filing fee</td> <td>710</td> </tr> <tr> <td>106</td> <td>206</td> <td>160</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>107</td> <td>207</td> <td>245</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>108</td> <td>208</td> <td>355</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>114</td> <td>214</td> <td>75</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="4" style="text-align: right;">SUBTOTAL (1) (\$ 710.00)</td> <td></td> </tr> </tbody> </table>								Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101	201	355	Utility filing fee	710	106	206	160	Design filing fee		107	207	245	Plant filing fee		108	208	355	Reissue filing fee		114	214	75	Provisional filing fee		SUBTOTAL (1) (\$ 710.00)				
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** or number previously paid, if greater. For Reissues, see above Other fee (specify): <input type="text"/> Other fee (specify): <input type="text"/>																																									
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** or number previously paid, if greater. For Reissues, see above

SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Robert W. Esmond	Registration No. (Attorney/Agent)	32,893	Telephone	202-371-2600
Signature				Date	06/19/2001

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SKGF Rev. 11/13/00 mmac

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC957 U.S. PTO
09/883183
06/19/01

In re application of:	Confirmation No.
Robert W. Blakesley	Art Unit: (to be assigned)
Appl. No. (to be assigned)	Examiner: (to be assigned)
Filed: (herewith)	Atty. Docket: 0942.4150002/RWE
For: Methods for Preventing Inhibition of Nucleic Acid Synthesis by Pyrophosphate	

**Authorization To Treat A Reply As Incorporating An Extension Of
Time Under 37 C.F.R. § 1.136(a)(3)**

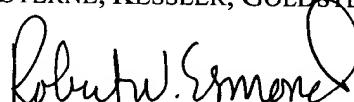
Commissioner for Patents
Box Patent Application
Washington, D.C. 20231

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply. A duplicate copy of this authorization is enclosed.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Robert W. Esmond
Attorney for Applicant
Registration No. 32,893

Date: June 19, 2001

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